**WATER DIVERSION IRRIGATION SYSTEM**
**Construction and Installation Notes**

## Introduction

The goal of this test pilot project is to reduce the offsite disposal of contaminated waste water by diverting it on site to a lined lagoon planted with a cover crop. The waste water will be stored in holding tanks and used to irrigate the crop planted in the lined lagoon. The lagoon will offer an opportunity for the water to evaporate and the plants will uptake the water, convert it to organic form, and transpire water through natural processes.

The clay lined lagoon will have a perimeter berm and ditch on the east side which will slope to a lower sump area to drain the plot and provide some storage capacity. The lagoon will be filled with 0.5M of soil. The berm have gravel packed access points for farming equipment and personnel. The berm will have a 3:1 slope and will be planted with a stabilizing cover crop. Adjacent to the ditch will be a raised distribution manifold of UV stable HDPE pipe on blocks which will water to flow past into the ditch. The blocks will also mark the 2M row spacing and connection points to irrigation drip lines.

The lagoon soil will be prepared and seeded prior to the installation of the drip irrigation lines and any field sensors. The field crop will be managed throughout the growing period with daily inspections and an irrigation controller. The proposed crop is expected to mature in 100 days with planting sometime in May. Prior to harvesting in around August-September, the irrigation drip lines are to be blown out, disconnected and stored away on the racking in the shed.

The irrigation controller will be set up for daily watering but also take into account, existing soil moisture, rainfall, sump pit water levels, temperature, and crop conditions. The greatest draw of power will be the irrigation pump which is expected to operate for a maximum of 1 hour per day. Factors that will reduce the pump time include such things as: precipitation , saturated soil, and crop sensitivity (younger crops require less moisture).

The current target for crop watering is 15cm (6”) over a 100 day growing period. In periods of high rain, excess water in the sump pit (which will be monitored) may be pumped into storage tanks to reduce problems that may arise from soil oversaturation.

The lagoon test site is in a remote area of the site without power nearby. The Irrigation system will be powered by solar panels and/or wind turbines. The power system will use 12V batteries for storage which will be inverted to 110V to run pumps and other devices. The system will be based on the need to provide up to two (2) acre inch of water per month, operate the monitoring and control systems, and general use requirements.

**Irrigation System Concept Design Specifications – REFER TO DRAWINGS LP-01, LP02, LP03**

| | |
|---|---|
| Test plot Size | 1.2 acre (70M x 70M) |
| Water vol. target - Acre inch | 2" per month (15cm (6 inches)/100 days)<br>Acre inch = 100,00 liters (25,000 gallons) |
| Total Target Water Usage | 70M x 70M x 0.15M = 735 cuM<br>735 cubic meters (735,000 liters) |
| Proposed Water Storage | 160,000 liters (2 Tanks) |
| Drip Line length | 8000 ft |
| Emitters spacing | 24" (2 ft) |
| Emitter flow rate | 0.4 GPH |
| Emitters total number | 4000 |
| Flow rate | 0.4 x 4000 = 1600 gallons per hour |
| Total time for 1 acre inch | 1600 gph/25,000 = 15.6 hours (max 31.2 hours per month) |
| Utility Pumps (2) | VersaJet Series Shallow Well Jet Pump 110V 10AMP |
| Filtration | Cartridge Filters – Spec TBD dependent on water analysis |
| Connectors | System blowdown and quick connect capacity disconnect |
| Monitoring | WIFI enabled, remote camera |
| Irrigation Controller – TBD | • Pump Control (vs valve control)<br>• Moisture Sensor<br>• Rain Sensor<br>• Sump Pit Sensor<br>• Timer<br>• WIFI |
| Power System | Battery Power Solar/Wind System<br>• 600W<br>• 875 amps<br>• 2 - 330W Solar panels<br>• Wind Turbine TBD<br>• 110V Inverter<br>• Hybrid Power Controller (to accept both Solar and Wind energy) |

### Shed Cooling

The shed is likely to experience periods of extreme heating which may affect the system controls. Traditional AC systems would require a significant amount of energy and cost and therefore discouraged. Louvred ducts are proposed in the shed to provide ventilation and the end wall doors could have the option of including screens. Earth sheltering could reduce the heat gain to the structure. Some cooling could also be provided with earth tubes buried in the ground under the berms circulated into the shed.

### Monitoring

It is intended that remote monitoring be managed via WIFI connection.

### Water Usage

Total Target Water Usage 735,000

### Operations

The scope of this work is limited to the development of the test plot. Standard operating procedure (SOP) will be developed and executed by Miller plant personnel. Remote performance monitoring will be performed by the Engineering study team.

The planting and harvesting of the crop material is will be performed by agricultural professionals (local area farmers).

### Data Metrics

| | |
|---|---|
| Water flow rates | On application, |
| Soil moisture | Weekly |
| Growth rate | Weekly |
| Plant analysis | On harvest |
| Odour logging | Daily |
| Soil analysis | Monthly |

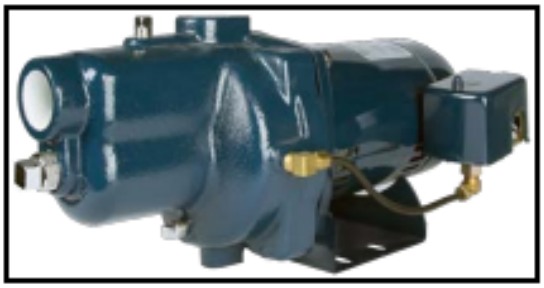
# OWNER'S MANUAL

Franklin Electric

EN English

## VersaJet Series Shallow Well Jet Pump

The VersaJet Series is designed for shallow well applications and is capable of raising water from a depth of 25 feet. All mechanical parts, motor, impeller, electrical controls, etc., are above ground within easy reach.



The VersaJet line is capable of a wide range of pressures and flows, but this may require replacing the standard factory installed jet nozzle with one of the other provided nozzles.

This product is covered by a Limited Warranty for a period of 24 months from the date of original purchase by the consumer. For complete warranty information, refer to www.FranklinWater.com.

## Specifications

| Pump Type | Discharge | Suction | HP Range |
|---|---|---|---|
| VersaJet Series | 1.00" | 1.25" | All |

# SAFETY INSTRUCTIONS

## Before Getting Started

This equipment should be installed and serviced by technically qualified personnel who are familiar with the correct selection and use of appropriate tools, equipment, and procedures. Failure to comply with national and local electrical and plumbing codes and within Franklin Electric recommendations may result in electrical shock or fire hazard, unsatisfactory performance, or equipment failure.

Know the product's application, limitations, and potential hazards. Read and follow instructions carefully to avoid injury and property damage. Do not disassemble or repair unit unless described in this manual.

Failure to follow installation or operation procedures and all applicable codes may result in the following hazards:

**⚠ DANGER**

**Risk of death, personal injury, or property damage due to explosion, fire, or electric shock.**

- Do not use to pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc.
- Do not use in explosive atmospheres or hazardous locations as classified by the NEC, ANSI/NFPA70.
- Do not handle a pump or pump motor with wet hands or when standing on a wet or damp surface, or in water.
- When a pump is in its application, do not touch the motor, pipes, or water until the unit is unplugged or electrically disconnected.
- If the power disconnect is out of sight, lock it in the open position and tag it to prevent unexpected application of power.
- If the disconnect panel is not accessible, contact the electric company to stop service.

# HDL-CV

*Increase drip system efficiency with pressure compensation, flow indication stripes, and a 6' check height.*

## KEY BENEFITS

- Pressure-compensating emitters for consistent flow and uniform coverage
- Non-draining check valve (CV) prevents low-point pooling and allows all emitters to open/close at the same time for greater system efficiency
- Check height of 6' minimizes system drainage and runoff
- Anti-siphon feature prevents debris from entering emitter at system shutdown
- Color-coded stripes provide easy identification of flow
- UV resistance facilitates product longevity
- Stretch-wrapped coils stay intact and make installation quick and easy
- Superior grit tolerance provided by proprietary emitter design with multiple inlet filters, a wide turbulent labyrinth, and a full-size outlet pool

HDL-CV

Coil with Stretch Wrap

## PRODUCT SPECIFICATIONS

- Available flow rates: 0.4, 0.6, 0.9 GPH
- Available emitter spacing: 12", 18", 24"
- Tubing dimensions: 0.660" x 0.560" (outside/inside diameter)
- Available without emitter (HDL-BLNK)

## OPERATING SPECIFICATIONS

- Operating range: 15 to 60 PSI
- Minimum filtration: 120 mesh (125 microns)
- Warranty period: 5 years (plus 2 additional years for environmental stress cracking)

**HDL-CV – SPECIFICATION BUILDER:** ORDER 1 + 2 + 3 + 4

| 1 Model | 2 Spacing | 3 Length | 4 Options |
|---|---|---|---|
| **HDL-04** = 0.4 GPH flow | **12** = 12" | **100** = 100' | **CV** = Pressure-compensating with check valve |
| **HDL-06** = 0.6 GPH flow | **18** = 18" | **250** = 250' | |
| **HDL-09** = 0.9 GPH flow | **24** = 24" | **500** = 500' | |
| | | **1K** = 1,000' | |

Example:
**HDL-06-12-250-CV** = 0.6 GPH, 12" emitter spacing, 250' coil with check valve

**HDL-BLNK – SPECIFICATION BUILDER:** ORDER 1 + 2 + 3

| 1 Model | 2 Length | | 3 Options |
|---|---|---|---|
| **HDL-BLNK** = No emitters | **100** = 100' | **500** = 500' | **(BLANK)** = Brown |
| | **250** = 250' | **1K** = 1,000' | **R** = Purple stripes |

Example:
**HDL-BLNK-250** = No emitters, 250' coil

**HUNTER DRIPLINE COLOR CODE**

| STRIPE COLOR | TUBING COLOR |
|---|---|
| ● 0.9 GPH - Black | ● HDL-CV - Dark brown tubing, pressure-compensating with check valve |
| ○ 0.6 GPH - Gray | |
| ○ 0.4 GPH - Tan | |

## MAXIMUM RUN LENGTHS

**HDL-CV – 0.4 GPH**

| Pressure (PSI) | Emitter Spacing (in.) 12 | 18 | 24 |
|---|---|---|---|
| 15 | 205 | 289 | 367 |
| 20 | 289 | 404 | 513 |
| 25 | 339 | 479 | 604 |
| 30 | 380 | 535 | 679 |
| 40 | 438 | 623 | 788 |
| 50 | 489 | 691 | 872 |
| 60 | 529 | 747 | 947 |

**HDL-CV – 0.6 GPH**

| Pressure (PSI) | Emitter Spacing (in.) 12 | 18 | 24 |
|---|---|---|---|
| 15 | 171 | 239 | 304 |
| 20 | 239 | 336 | 426 |
| 25 | 280 | 398 | 501 |
| 30 | 314 | 441 | 560 |
| 40 | 363 | 516 | 653 |
| 50 | 404 | 570 | 722 |
| 60 | 438 | 619 | 784 |

**HDL-CV – 0.9 GPH**

| Pressure (PSI) | Emitter Spacing (in.) 12 | 18 | 24 |
|---|---|---|---|
| 15 | 117 | 164 | 211 |
| 20 | 164 | 233 | 292 |
| 25 | 192 | 273 | 348 |
| 30 | 217 | 307 | 389 |
| 40 | 251 | 355 | 451 |
| 50 | 280 | 395 | 501 |
| 60 | 302 | 429 | 541 |

# Current EPA WaterSense Approved Smart Controllers

## Commercial

### ESP-LXME/F Modular Controllers

Conventionally wired commercial controller for up to 48 stations.

#### How to Specify

| Controller | Modules |
|---|---|
| ESP-8LXME: 8-station base | ESPLXMSM8: 8-Station<br>ESPLXMSM12: 12-Station |
| ESP-12LXMEF: 12-station base with Flow Smart Module | FSM-LXME: Flow Smart Module<br>IQ FSCLXME: IQ Connection Module |

### ESP-LXD Series 2-Wire Decoder Controllers

Advanced commercial control for up to 200 stations.

#### Models

| Controller | Modules |
|---|---|
| ESP-LXD: 50-station base with Flow Smart Module | ESPLXD-SM75: 75-station module<br>IQCM-LX2W: IQ Connection Module |


### ESP-LXIVM Series 2-Wire Decoder Controllers

Revolutionary 2-Wire Design with Integrated Valve Module (IVM)

#### Models

| Controller | Modules |
|---|---|
| ESPLXIVM: 60 Stations with 10 independent programs | IQCM-LX2W: IQ Connection Module |
| ESPLXIVMP: 240 Stations with 40 independent programs | |

+

### IQ™ Platform

Central command and control from a desktop, enterprise server, or the cloud.


### IQ Cartridge Models

IQNCCRS: RS232 Cartridge
IQ4G-USA: Cellular Cartridge
IQNCCEN: Ethernet Cartridge

# LNK2 WiFi Module

## WiFi Mobile Application

The LNK2 WiFi Module shall allow users to connect remotely to a Rain Bird ESP-ME3, ESP-Me, ESP-TM2, or ESP-RZXe Irrigation Controller through a plug-in accessory and using an Apple iOS or Android compatible mobile device with access to the Internet.

### Easy to Install Hardware

The LNK2 WiFi Module shall connect directly to the accessory port featured on compatible controllers.

### Mobile Application

A mobile application with user interface shall install on the user's smart device and allow remote configuration of multiple Irrigation Controllers. Options for irrigation scheduling shall be provided as well as access to current weather conditions.

### Supported Mobile Devices

The LNK2 WiFi Module Mobile Application shall be available for devices running the following operating systems:

- iOS 8.0 or later
- Android 6.0 (Marshmallow) or later

### WiFi Networking

The LNK2 WiFi Module shall provide direct wireless communication to compatible smart devices through a WiFi Access Point

Connecting to the Rain Bird Cloud Server shall allow the server to send a daily seasonal adjustment once per day based upon the Controller's ZIP code

Push notifications shall be available through Google Cloud Messaging or Apple Push Notification Service

A multi-color LED light on the LNK2 WiFi Module shall indicate status of the Access Point and Internet connections

### WiFi Connection Security

The LNK2 WiFi Module shall automatically detect the appropriate WiFi security mode using a user-provided network SSID and network key.

The following security modes are supported:

- Open
- WEP
- WPA-TKIP
- WPA-AES
- WPA2-TKIP
- WPA2-AES
- WPA2-AES-TKIP

### Mobile App Features

Controller View shall display an image of the Controller with name, station or zone list and local weather report

Expanded View shall allow remote programming of irrigation schedules including a Manual Watering feature

General Information View shall display the selected Controller by name, location by ZIP code and a notifications list

Calendar View shall show a graphical representation of the selected Controller's irrigation schedule

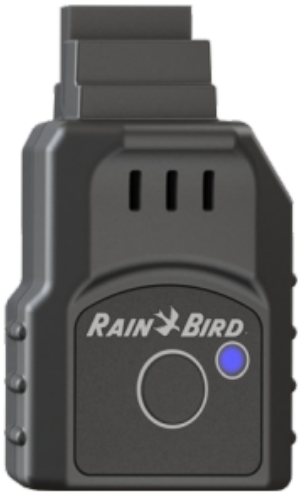
Remote Control View shall provide instant access to manual operation for each station or zone

Program View shall provide access to all irrigation scheduled parameters for program based Controllers

Add Controller View shall provide access to a setup wizard for adding one or more controllers to the mobile app home screen

Controller Settings View shall provide configuration and editing of Controller information, network settings and notification preferences

App Settings View shall provide access the mobile app version, help screens, enable or disable of push notifications, and access to group controllers




### Operating Specifications

- Operating Temperature: 14°F (-10°C) to 149°F (65°C)
- Storage Temperature: -40°F (-40°C) to 150°F (66°C)
- Operating Humidity: 95% max @ 50°F to 120°F (10°C to 49°C) non-condensing environment

### Electrical Specifications

- 24VAC(RMS) 50/60Hz; 55mA max

### Certifications

- UL, cUL, CE, CSA, FCC Part 15b, WEEE, S-Mark, IP30, IFETEL

### Dimensions

- Width: 1.13"
- Height: 1.83"
- Depth: 0.48"

**How To Specify:**

| Models |
| --- |
| LNK2WIFI |

## Large-Capacity Filters

Large-Capacity high flow and low maintenance with a solid build

### Features

- Provides extra large filtration capacity for residential, commercial, and municipal applications
- Durable filters can be easily removed for cleaning, significantly reducing cleaning time
- Disc filters can decompress for easy cleaning
- Auxiliary connection with a threaded cap can be drilled to allow draining or depressurization

### Operating Range

- 1" Model: Maximum flow: Up to 26 gpm (6 $m^3$/hr)
  - Filtering surface (disc): 28 $in^2$ (180$cm^2$)
- 1.5" Models: Maximum flow: Up to 62 gpm (14 m3/hr)
  - Filtering surface (disc): 48 $in^2$ (310 $cm^2$)
  - Filtering surface (screen): 42 $in^2$ (270 $cm^2$)
- 2" Models: Maximum flow: Up to 110 gpm (25 m3/hr)
  - Filtering surface (disc): 81 $in^2$ (525 $cm^2$)
  - Filtering surface (screen): 75 $in^2$ (485 $cm^2$)
- Maximum Pressure: 116 psi (8 bar)
- Maximum Temperature: Up to 140° F (60° C)

### Models

- LCRBY100D - 1" Large-Capacity Disc Filter
- LCRBY150S - 1.5" Large-Capacity Screen Filter
- LCRBY150D - 1.5" Large-Capacity Disc Filter
- LCRBY200S - 2" Large-Capacity Screen Filter
- LCRBY200D - 2" Large-Capacity Disc Filter

### Specifications

- Inlet / Outlet Size:
  - 1" Models: 1" NPT
  - 1.5" Models: 1.5" NPT
  - 2" Models: 2" NPT

### Dimensions

- 1": (6.8" H x 7.5" W x 3.3" D)
- 1.5": (9.5"H x 10.3"W x 5.7" D)
- 2": (9.7"H x 10.6" W x 5.7"D)

### Filtration

- Stainless Steel Screen Filter: 120 Mesh (130 Micron)*
- Plastic Filter Discs: 120 Mesh (130 Micron)

** Screen not available in 1" model*

LCRBY200D

Disc & Screen Filters

**Pressure Loss Characteristics - Disc Filter**

| Flow Rate | | 1" Filter | | 1.5" Filter | | 2" Filter | |
|---|---|---|---|---|---|---|---|
| gpm | l/m | psi | bar | psi | bar | psi | bar |
| 5 | 18.93 | 0.60 | 0.04 | 0.08 | 0.01 | 0.10 | 0.01 |
| 11 | 41.67 | 1.16 | 0.08 | 0.18 | 0.01 | 0.10 | 0.01 |
| 22 | 83.33 | 2.61 | 0.18 | 0.40 | 0.03 | 0.10 | 0.01 |
| 33 | 125.0 | 4.35 | 0.30 | 0.73 | 0.05 | 0.24 | 0.02 |
| 44 | 166.67 | — | — | 1.05 | 0.07 | 0.40 | 0.03 |
| 55 | 208.33 | — | — | 1.50 | 0.10 | 0.60 | 0.04 |
| 66 | 250.00 | — | — | 2.18 | 0.15 | 0.82 | 0.06 |
| 77 | 291.67 | — | — | 3.10 | 0.21 | 1.10 | 0.08 |
| 88 | 333.33 | — | — | 3.95 | 0.27 | 1.60 | 0.11 |
| 99 | 375.00 | — | — | — | — | 2.03 | 0.14 |
| 110 | 416.67 | — | — | — | — | 2.47 | 0.17 |

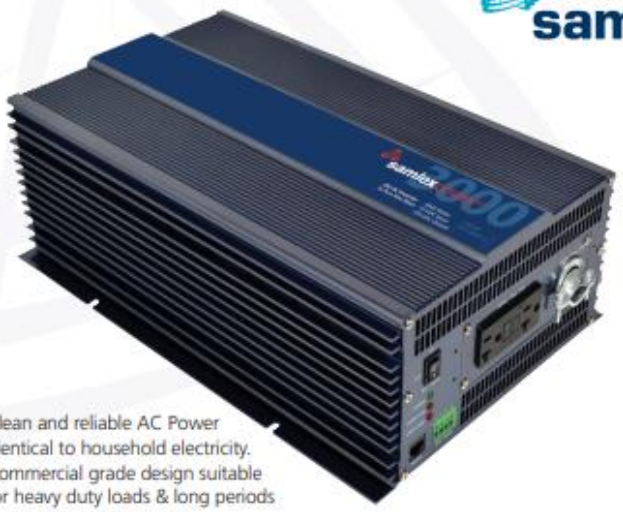
**Pressure Loss Characteristics - Screen Filter**

| Flow Rate | | 1" Filter | | 1.5" Filter | | 2" Filter | |
|---|---|---|---|---|---|---|---|
| gpm | l/m | psi | bar | psi | bar | psi | bar |
| 5 | 18.93 | 0.80 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 41.67 | 1.74 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 83.33 | 2.90 | 0.20 | 0.50 | 0.03 | 0.20 | 0.01 |
| 33 | 125.0 | 4.06 | 0.28 | 0.95 | 0.07 | 0.25 | 0.02 |
| 44 | 166.67 | — | — | 1.45 | 0.10 | 0.44 | 0.03 |
| 55 | 208.33 | — | — | 1.89 | 0.13 | 0.60 | 0.04 |
| 66 | 250.00 | — | — | 2.32 | 0.16 | 0.87 | 0.06 |
| 77 | 291.67 | — | — | 2.76 | 0.19 | 1.16 | 0.08 |
| 88 | 333.33 | — | — | 3.19 | 0.22 | 1.45 | 0.10 |
| 99 | 375.00 | — | — | — | — | 1.89 | 0.13 |
| 110 | 416.67 | — | — | — | — | 2.32 | 0.16 |

*Note: Body dimensions are available on the Rain Bird website.*

*Note: Filter must be installed downstream of the valve, to prevent the filter from being under constant pressure.*

samlexamerica 3000W



Clean and reliable AC Power identical to household electricity. Commercial grade design suitable for heavy duty loads & long periods of continuous operation.

## DC-AC Inverter
Pure Sine Wave

Model
PST-3000-12
12 VDC- 120 VAC
PST-3000-24
24 VDC- 120 VAC

### Design Features

- High efficiency & low RF emissions
- Can be hard wired
- 2x Surge
- Wide DC input range
- Dual GFCI Protected Outlets
- Wide temperature operating range -20 to +40°C / -4 to +104°F
- Temperature controlled cooling fan
- Low idle power draw
- Remote Input – Use to turn inverter ON or OFF with ignition start or any other Remote ON/OFF switch
- Optional LCD remote control, model RC-300
- UPC – Universal Protection Circuit: low voltage, over voltage, over temperature, over load and short circuit
- Safety certified to UL & CSA standards, FCC compliant

## 3 YEAR LIMITED WARRANTY

| | MODEL NO. | PST-3000-12 | PST-3000-24 |
|---|---|---|---|
| OUTPUT | OUTPUT VOLTAGE | 120 VAC ± 3% | 120 VAC ± 3% |
| | MAXIMUM OUTPUT CURRENT | 25A | 25A |
| | OUTPUT FREQUENCY | 60 Hz ± 1% | 60 Hz ± 1% |
| | TYPE OF OUTPUT WAVEFORM | Pure Sine Wave | Pure Sine Wave |
| | TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM | < 3% | < 3% |
| | CONTINUOUS OUTPUT POWER (At Power Factor = 1) | 3000 Watts | 3000 Watts |
| | SURGE OUTPUT POWER | 6000 Watts (< 8 ms) | 6000 Watts (< 8 ms) |
| | PEAK EFFICIENCY | > 85% | > 88% |
| | AC OUTPUT CONNECTIONS | NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring | NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring |
| INPUT | NOMINAL DC INPUT VOLTAGE | 12V | 24V |
| | DC INPUT VOLTAGE RANGE | 10.7 - 16.5 VDC | 21.4 - 33 VDC |
| | MAXIMUM INPUT CURRENT | 360A | 180A |
| | DC INPUT CURRENT AT NO LOAD | < 1.6A | < 1.0A |
| | DC INPUT CONNECTIONS | Bolt & Nut: 5/16" x 18 TPI | Bolt & Nut: 5/16" x 18 TPI |
| | DC INPUT FUSES (INTERNAL) | 12 X 30A = 360A (Each Type ATC, 32V, 30A) | 12 x 15A = 180A (Each Type ATC, 32V, 15A) |
| DISPLAY | LED | Power, Overload, Over Temperature | Power, Overload, Over Temperature |
| PROTECTIONS | LOW DC INPUT VOLTAGE ALARM | 10.7V ± 0.1V | 21.4V ± 0.2V |
| | LOW DC INPUT VOLTAGE SHUTDOWN | 10V ± 0.1V ; Auto-reset: 11.5V ± 0.3V | 20V ± 0.2V ; Auto-reset: 23V ± 0.5V |
| | HIGH DC INPUT VOLTAGE SHUTDOWN | 16.5V ; Auto-reset: < 16.5V | 33V ; Auto-reset: < 33V |
| | SHORT CIRCUIT SHUTDOWN | When output voltage drops to 80VAC or lower for 1 to 1.5 sec | |
| | OVERLOAD SHUTDOWN | At overload of 110% to 115% for 2 to 2.5 sec | |
| | GROUND FAULT SHUTDOWN | Only on GFCI outlets (5 to 6 mA leakage) | |
| | OVER TEMPERATURE SHUTDOWN | 90°C ± 5°C (Sensed at Transformer T3) ; Auto-reset at 65°C ± 5°C | |
| | REVERSE POLARITY ON DC INPUT SIDE | External / internal DC sides fuses will blow | |
| REMOTE CONTROL | WIRED REMOTE CONTROL WITH LED / LED DISPLAY WIRED ON / OFF CONTROL | RC-300 (sold separately) with 25' cable (i) By switching external contact (ii) By switching external 12V/24V signal | |
| COOLING | FORCED AIR COOLING | Temperature controlled fan (Sensed at Transformer T6) Fan ON at 55°C ± 3°C; Fan OFF at 45°C ± 3°C | |
| COMPLIANCE | SAFETY | Intertek - ETL Listed. Conforms to UL Standard 458 and certified to CSA Std. C22.2 No. 107.1 | |
| | EMI / EMC | FCC Part 15(B), Class A | |
| ENVIRONMENT | OPERATING TEMPERATURE RANGE | Operating temperature -20 to 40°C / -4 to 104°F Storage temperature -30 to 70°C / -22 to 158°F 90% relative humidity non-condensing | |
| DIMENSIONS | (W X D X H), MM | 263 x 456.5 x 145 | 263 x 456.5 x 145 |
| | (W X D X H), INCHES | 10.35 x 17.97 x 5.71 | 10.35 x 17.97 x 5.71 |
| WEIGHT | KG | 9.8 | 9.8 |
| | LBS | 21.6 | 21.6 |

NOTE: Specifications are subject to change without notice