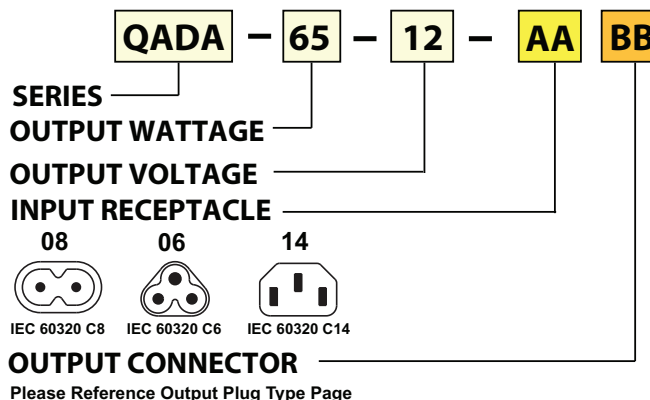


**Features:**

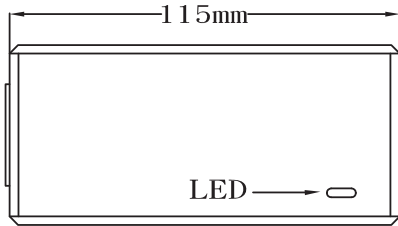
- Universal AC input/ Full Range
- Energy Efficiency Level VI
- ErP Step 2 Compliant
- NRCAN and GEMS Compliant
- Output Protections: OVP/SCP/OC
- No Load Power Consumption <0.21W
- 1 Year Warranty



| Model                         | QADA-65-12                                                             | QADA-65-13.5 | QADA-65-15 | QADA-65-16 | QADA-65-18 | QADA-65-19 | QADA-65-20 | QADA-65-24 | QADA-72-24 | QADA-65-30 | QADA-65-32 | QADA-65-48 | QADA-65-56 |
|-------------------------------|------------------------------------------------------------------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Output Characteristics        |                                                                        |              |            |            |            |            |            |            |            |            |            |            |            |
| DC Output                     | 12V                                                                    | 13.5V        | 15V        | 16V        | 18V        | 19V        | 20V        | 24V        | 24V        | 30V        | 32V        | 48V        | 56V        |
| Rated Current                 | 5.0A                                                                   | 4.82A        | 4.34A      | 4.07A      | 3.62A      | 3.43A      | 3.25A      | 2.71A      | 3.00A      | 2.17A      | 2.04A      | 1.36A      | 1.17A      |
| Ripple and Noise              | ±2% Vo @ Rated Load                                                    |              |            |            |            |            |            |            |            |            |            |            |            |
| Load Regulation (Typ.)        | ±5%                                                                    |              |            |            |            |            |            |            |            |            |            |            |            |
| Transient Response (Typ.)     | 0.5mS for 50% Load Change                                              |              |            |            |            |            |            |            |            |            |            |            |            |
| Hold-up Time (Typ.)           | 10mS @ Rated Load                                                      |              |            |            |            |            |            |            |            |            |            |            |            |
| Output Protection             | Short Circuit, Over Voltage, Over Current                              |              |            |            |            |            |            |            |            |            |            |            |            |
| Ferrite Core                  | Yes                                                                    |              |            |            |            |            |            |            |            |            |            |            |            |
| Input Characteristics         |                                                                        |              |            |            |            |            |            |            |            |            |            |            |            |
| Voltage Range                 | 100VAC~240VAC                                                          |              |            |            |            |            |            |            |            |            |            |            |            |
| Frequency Range               | 50Hz-60Hz                                                              |              |            |            |            |            |            |            |            |            |            |            |            |
| Efficiency                    | DoE Level VI, Energy Star, ErP Step 2, NRCan & GEMS Level VI Certified |              |            |            |            |            |            |            |            |            |            |            |            |
| AC Current (max)              | 1.4A (65W), 1.6A (72W)                                                 |              |            |            |            |            |            |            |            |            |            |            |            |
| Input Protection              | Internal Primary Current Fuse, Inrush Limiting                         |              |            |            |            |            |            |            |            |            |            |            |            |
| Leakage Current               | 0.25mA (2 Conductor), 3.5mA (3 Conductor)                              |              |            |            |            |            |            |            |            |            |            |            |            |
| Environmental Characteristics |                                                                        |              |            |            |            |            |            |            |            |            |            |            |            |
| Operating Temperature         | 0°C~40°C                                                               |              |            |            |            |            |            |            |            |            |            |            |            |
| Operating Relative Humidity   | 20% RH to 80% RH                                                       |              |            |            |            |            |            |            |            |            |            |            |            |
| Storage Temperature           | -20°C~80°C, 10% RH to 90% RH                                           |              |            |            |            |            |            |            |            |            |            |            |            |
| Topology                      | Switching Flyback                                                      |              |            |            |            |            |            |            |            |            |            |            |            |
| Dielectric Withstand          | 3000VAC Primary-Secondary                                              |              |            |            |            |            |            |            |            |            |            |            |            |
| EMI Conduction & Radiation    | Compliance to EN55022 Class B                                          |              |            |            |            |            |            |            |            |            |            |            |            |
| Harmonic Current              | Compliance to EN61000-3-2, 3                                           |              |            |            |            |            |            |            |            |            |            |            |            |
| EMS Immunity                  | IEC61000-4-2, 3, 4, 5, 6, 8, 11                                        |              |            |            |            |            |            |            |            |            |            |            |            |
| Characteristics               |                                                                        |              |            |            |            |            |            |            |            |            |            |            |            |
| MTBF                          | 300,000Hrs (25°C, Telecordia SR-332)                                   |              |            |            |            |            |            |            |            |            |            |            |            |
| Dimension (LxWxH)             | 115x53x38mm                                                            |              |            |            |            |            |            |            |            |            |            |            |            |
| Weight                        | 310g                                                                   |              |            |            |            |            |            |            |            |            |            |            |            |

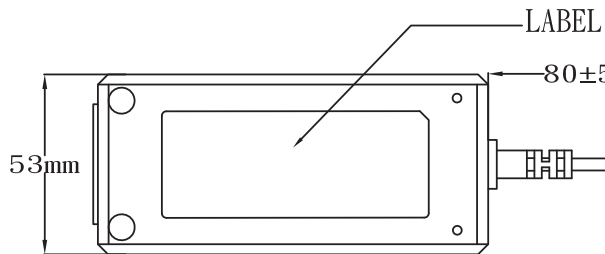
**PART NUMBER SYSTEM**

## MECHANICAL SPECIFICATIONS

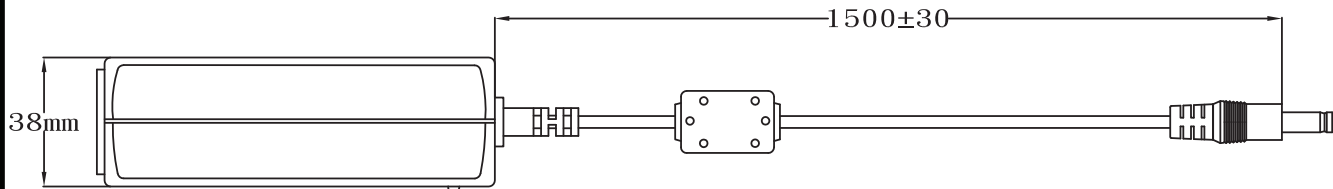


TOP-VIEW

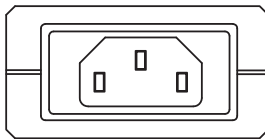
UL1185 16AWG for 12 ~ 16V  
UL2468 18AWG for 18 ~ 32V  
UL2468 22AWG for 48 ~ 56V



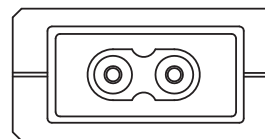
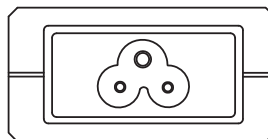
BOTTOM-VIEW



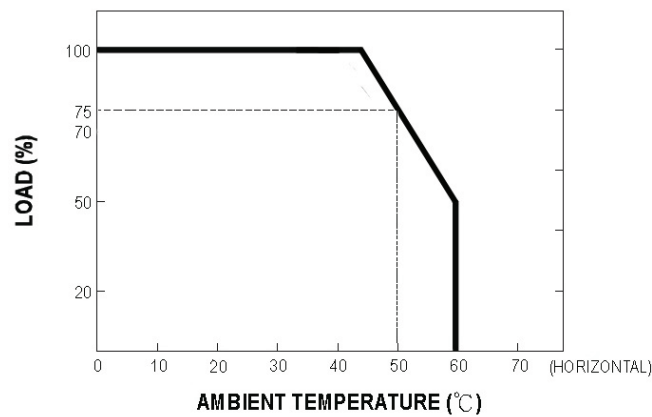
SIDE-VIEW



FRONT-VIEW



## DERATING CURVE



UNIT: mm