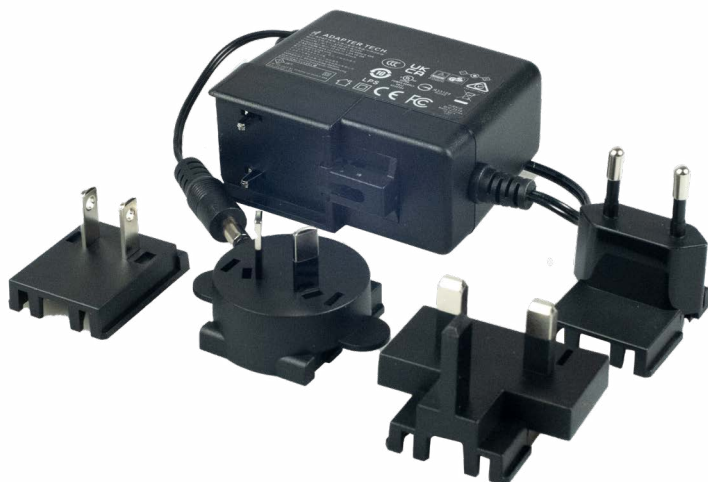


### 18W DC Power supply (12V/1.5A)



RPS 1018 with interchangeable wall plugs

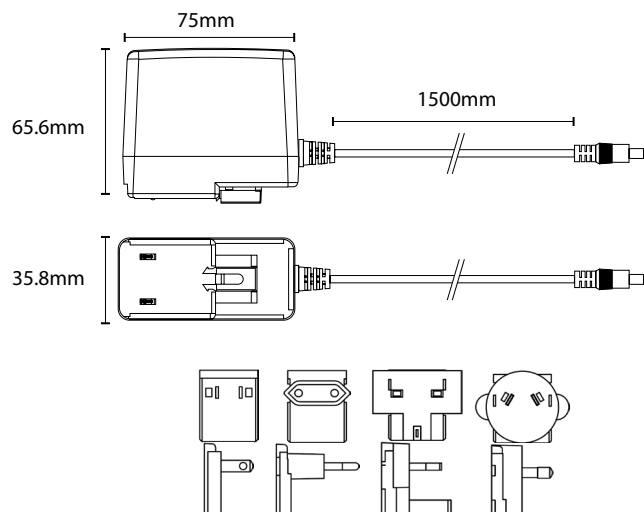
#### Features

- Wide Operating Voltage 100 to 240 VAC, 50 to 60 Hz
- Single Output 18W
- Interchangeable Plug
- DoE Level VI, Energy Star, ErP Stage 2 CoC Tier 2, NRCAN, GEMS Level VI
- CCC, UK CA, TÜV, UL, RoHS, CE and FCC Certified

#### Description

The RPS 1018 Power supply is a DC switching mode external power supply unit which supplies 18 W of continuous power.

This power supply unit can be used to power a single yellobrik module.



#### Technical Specifications

##### Electrical Characteristics

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| <b>Input Voltage Range</b>        | 100~240 V AC                                                            |
| <b>Input Frequency</b>            | 50~60 Hz                                                                |
| <b>Output Power Range</b>         | 19.2 (max.)                                                             |
| <b>Output Voltage Range</b>       | 12V DC (±5%)                                                            |
| <b>Output Current Range</b>       | ~ 1.6 A                                                                 |
| <b>Input Current</b>              | ~0.48 A (max.)                                                          |
| <b>Time of Transient Response</b> | 0.5 ms (50% Load Charge)                                                |
| <b>Hold-Up Time</b>               | 10 ms (At Full Load)                                                    |
| <b>Ripple &amp; Noise</b>         | 120 mV <sub>p-p</sub>                                                   |
| <b>Leakage Current</b>            | 0.25 mA (max.)                                                          |
| <b>Dielectric Withstanding</b>    | 3000 V AC                                                               |
| <b>Power Consumption</b>          | <0.1 W (No Load)                                                        |
| <b>Efficiency</b>                 | >85.292%                                                                |
| <b>Efficiency Certificates</b>    | DoE Level VI, Energy Star, ErP Stage 2 CoC Tier 2, NRCAN, GEMS Level VI |
| <b>EMC Standards</b>              | EN55032, EN61000-3-2,3 , EN55024                                        |

##### Enviromental

|                              |                 |
|------------------------------|-----------------|
| <b>Operating Temperature</b> | 0 - +40°C       |
| <b>Storage Temperature</b>   | -20 to +80°C    |
| <b>Operating Humidity</b>    | 20 to 85% RH    |
| <b>Storage Humidity</b>      | 10 to 90% RH    |
| <b>MTBF</b>                  | 300,000h @ 25°C |

##### Physical Specifications

|                        |                     |
|------------------------|---------------------|
| <b>Case Dimensions</b> | 65.6 x 75 x 35.8 mm |
| <b>Cable Length</b>    | 1500 mm ± 30mm      |
| <b>Weight</b>          | 170g                |