

- ★ 1100W+550W / 1650W+550W / 1800W+600W Options
- ★ Hot-Swap / Hot-Plug Redundant Application
- ★ ERP1U Application
- ★ For 1U Rackmount / Power Bank System
- ★ Backward Compatibility / -5V Available
- ★ Fan Speed Control / Noise Restraining
- ★ Dimension: 422 (W) x 43 (H) x 340 (d) mm



2+1 configuration for Q61100I 1F with a cover over slot.
3+1 configuration (pictured above) for all other models.

Features

- ★ Universal Input, active PFC
- ★ Backward Compatibility, -5V available
- ★ Hot-Swap / Hot-Plug Application
- ★ Automatic Thermal Control(Fan Speed)
- ★ Industrial DIN-Connector for Reliability
- ★ Remote Sense on +5V, +3.3V & +12V
- ★ Power Failure Alarm & Signals
- ★ Power Status LED on Module
- ★ OVP (Over Voltage Protection)/Module
- ★ UVP (Under Voltage Protection)
- ★ OCP (Over Current Protection)/Module
- ★ OPP (Over Power Protection)
- ★ OTP (Over Temperature Protection)
- ★ SCP (Short Circuit Protection)
- ★ MTBF > 100,000 Hours

General Specifications

- ★ Input Voltage Range: 100-240V ± 10%
- ★ Power Factor: 0.95 min. at full Load
- ★ Efficiency: 75% at full Load
- ★ Hold up Time 17ms min., at full Load
- ★ Power Good: 100-500ms, TTL Signal
- ★ PSON(Remote ON/OFF):TTL Signal
- ★ Operating Temperature: 0~50°C
- ★ Operating Humidity: 20~90%
- ★ Fan Size: 38 x 38 x 28mm

Agency Requirements

- Harmonic: EN61000-3-2
- EMI/RFI: CE, FCC class B, BSMI
CISPR class B
- Safety: UL, cUL, CB, TÜV ,CCC

Application

- ★ Industrial PC
- ★ Server
- ★ Storage System
- ★ Rackmount
- ★ Blade Server
- ★ Power Bank

Electrical Specifications

Regulation, Ripple & Noise

Item / Output	+5V	+3.3V	+12V1	+12V2	+12V3	+12V4	+12V5	-5V	-12V	5Vsb
Load Regulation	±5%	±5%	±5%	--	--	--	--	±10%	±5%	±5%
Cross Regulation	±5%	±5%	±5%	--	--	--	--	±10%	±5%	±5%
Line Regulation	±1%	±1%	±1%	--	--	--	--	±1%	±1%	±1%
Ripple & Noise	50mV	50mV	120mV	--	--	--	--	100mV	120mV	50mV

Note: Single rail for +12V output relates to +12V1 only.

Input / Output Ratings

Model	Input (AC)			Output (DC)											
	Voltage	Frequency	Current	Watt	Load	+5V	+3.3V	+12V1	+12V2	+12V3	+12V4	+12V5	-5V	-12V	5Vsb
Q61100I 1F	100-240V	47-63 Hz	17-8.5A	1100W	Max.	48A	48A	88A	--	--	--	--	0.5A	0.8A	3A
					Min.	2A	2A	3A	--	--	--	0A	0A	0A	
					Max. Comb.	↙	320W	↘	1056W				2.5W	9.6W	15W
Q61650I 1F	100-240V	47-63 Hz	26-13A	1650W	Max.	60A	60A	132A	--	--	--	--	0.5A	0.8A	3A
					Min.	2A	2A	4A	--	--	--	0A	0A	0.1A	
					Max. Comb.	↙	440W	↘	1440W				2.5W	9.6W	15W
Q61800I 1F	100-240V	47-63 Hz	30-15A	1800W	Max.	60A	60A	144A	--	--	--	--	0.5A	0.8A	3A
					Min.	2A	2A	4A	--	--	--	0A	0A	0.1A	
					Max. Comb.	↙	440W	↘	1728W				2.5W	9.6W	15W

Note: 1. Noise bandwidth is from DC to 20MHz

Mechanical Drawing

