

# Premier Power Pack EN54-4 Power Supply with LCD Screen (PP-2/12, PP-5/17)



## Description

The Premier Power Pack Power supply uses an innovative design that allows the engineer to view system status through the on board LCD screen. The screen can display several power supply parameters, including output voltage, and output current.

The power supply itself uses a 3 state charger which uses BOOST, FLOAT, and PULSE modes, depending on the state of the battery.

The PSU will disconnect the batteries under mains fail condition, when the batteries are fully discharged to prevent damage to the batteries.

The PSU will also monitor the battery for high internal resistance, and signal a fault if that condition is detected.

## Screen Information

### System Normal Screen

Z	E	T	A	A	L	A	R	M	S	Y	S	T	E	M	S		
P	R	E	M	I	E	R	P	O	W	E	R	-	P	A	C	K	
R	A	T	I	N	G	3	0	V	D	C	2	.	0	A			
S	Y	S	T	E	M	N	O	R	M	A	L						

### Screen 1 - Main Information

M	A	I	N	S	:	O	K	B	A	T	T	S	:	O	K		
V	(	A	)	=	2	9	.	5	V	(	B	)	=	2	9	.	5
C	U	R	R	E	N	T	0	.	1	2	A	M	P	S			

### Screen 2 - Battery Info

B	A	T	T	E	R	Y	I	M	P	:	0	.	0	0	3	7	
C	H	A	R	G	E	R	V	O	L	T	:	2	5	.	4	5	V
C	H	A	R	G	E	T	Y	P	E	:	B	O	O	S	T		
B	A	T	T	E	R	Y	S	T	A	T	E	:	G	O	O	D	

### Screen 3 - Misc.

E	A	R	T	H	:	2	.	4	4	7	V					G	O	O	D
C	H	A	R	G	E	R	C	I	R	C	U	I	T	:	O	K			
B	A	D	B	A	T	T	E	R	Y	L	V	L	X	.	X	R			

### Screen 4 - Software Information

S	o	f	t	w	a	r	e	P	S	U	:	2	V	0	0		
S	o	f	t	w	a	r	e	L	C	D	:	2	V	0	0		

### Technical Specification

Model	PP-2/12	PP-5/17
Part No.	46-300	46-305
Input Voltage	170-264V AC 47-63 Hz	
Output Voltage	28V DC Nominal	28V DC Nominal
Power Rating	75W	150W
Efficiency	79%	86%
Total Power Output	2.0 Amp	5.0 Amp
Power Supply Outputs	2 Fused Outputs	2 Fused Outputs
Maximum Current Per Output	0.625mA	2.0 Amps
Battery Charging Current	750mA	920mA
Fault Relay Rating	SELV 1A	SELV 1A
IP Rating	IP30	IP30
Size	375 x 335 x 128mm	375 x 403 x 128mm