

Power Supply with battery back up



- High Efficiency
- Location for 2 batteries 12V 7AH
- Wall mounting horizontally or vertically
- Din Rail mounting
- Air Convection Cooling
- Overload Protection
- Floating charging

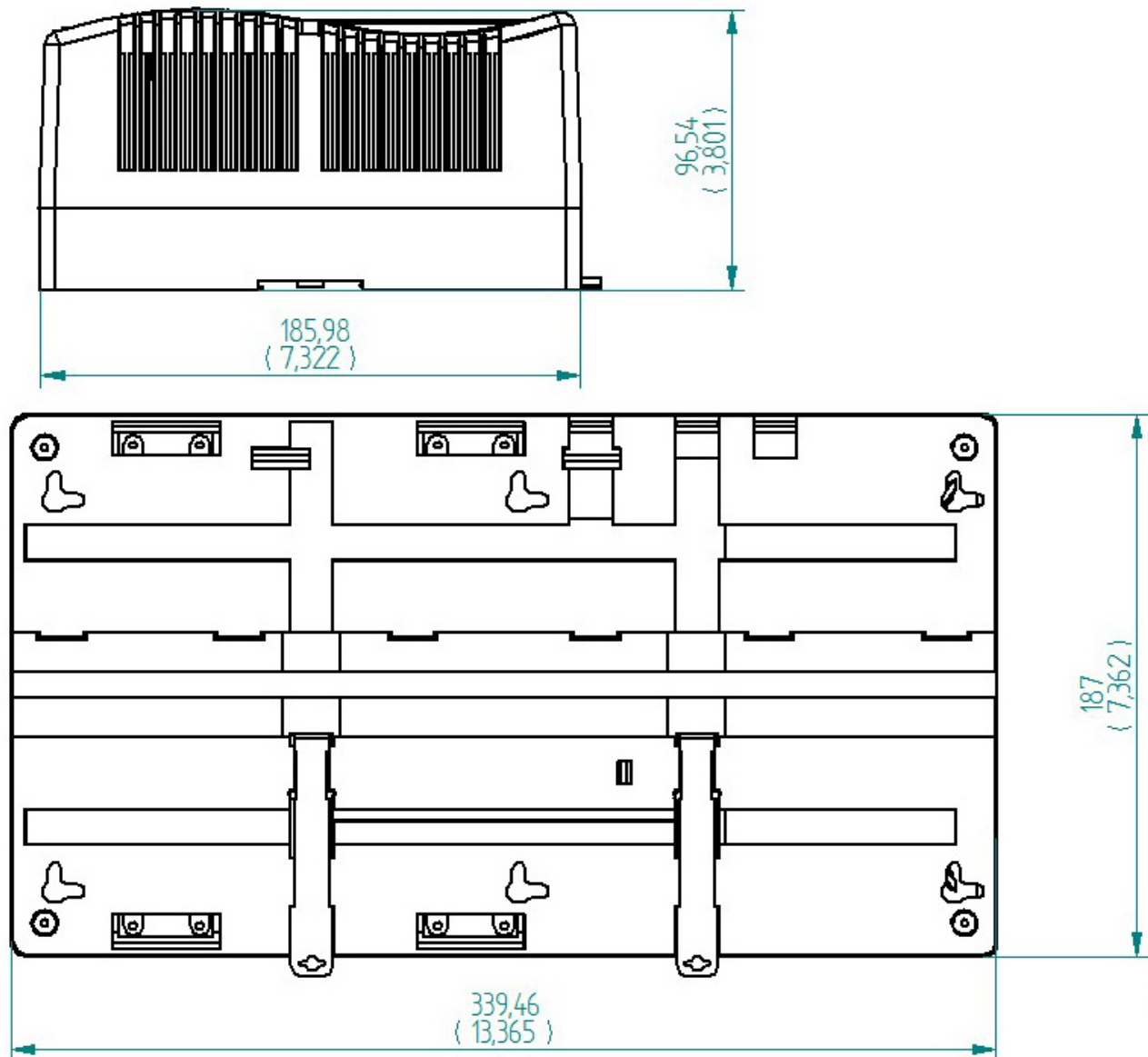
- * Bar graph showing the battery voltage
- * Main AC input mode
- * Battery mode when there is a no AC main

- * Isolated relay contact for default AC main power
- * Isolated relay contact for low voltage battery
- * A simple version without relay can be provided, add suffix "S"

Model	Output Voltage	Output Current	Charging current	Batteries
DCS12-1	13.6 V	0 ~ 1 A	1 A	1 or 2
DCS12-3	13.6 V	0 ~ 3 A	1 A	1 or 2
DCS12-5	13.6 V	0 ~ 5 A	1 A	1 or 2
DCS24-1	27.2 V	0 ~ 1 A	1 A	2
DCS24-3	27.2 V	0 ~ 3 A	1 A	2
DCS24-4	27.2 V	0 ~ 4 A	1 A	2

GENERAL SPECIFICATIONS		
Input	AC voltage range	190 ~ 265 VAC
	DC voltage range	276 ~ 376
	Input current	Typ. 1,3/115 – 0,65/230VAC
	Inrush current	35 A typ. at 230 VAC, Cold start
	Frequency range	47 ~ 63 Hz
Output	Current	See table, total available current is the output current + charging current
	Load regulation	± 1% max for the battery charging
	Line regulation	± 1% max
	Overload protection	~ 115% I nom
	Short circuit protection	Power supply=Permanent / auto restart, battery by fuse
	Reverse voltage protection	YES For battery reversed voltage
Environment	Operating temperature	-20+45 °C derating 2,5%/°C>40°C (Vertical position)
	Storage temperature	-40 + 85 °C
	Humidity	20 ~ 90 % RH non condensing
Safety	Safety standard	EN 60950-1, UL60950-1, TUV
	Withstand voltage I/O	3KVAC
	EMI	Comply to EN55011, EN55022 (CISPR) ClassB
	Immunity	Comply to EN61000-4-2,3,4,5,6,8,11
Batteries	Model type	Sealed lead acid 12V/7,2AH non included
	Model 12 Volts	1 or 2 batteries can be fitted
	Model 24 Volts	2 batteries are needed
	Option	1 or 2 batteries can be provided fitted

MECHANICAL SPECIFICATION



Dimension in mm (inches)

CONNECTION

Input and output by internal screw terminals are easily accessible.

TPI Electronic Co, Ltd
552/4 Moo 10, 304 Industrial Park
Thatoom Subdistrict, Srimahaphot District
Prachinburi Province - 25140 THAILAND
Tel: 663 741 4214 - Fax: 663 741 4217
www.tpi-electronic.com

