

6FM18L (12V18Ah)



LONGWAY® 6FM18L specially designed for high efficient discharge application. Its characteristics are high energy density, small footprint and high discharge efficiency. It can be used for more than 260 cycles at 100% discharge in cycle service, up to 10 year in standby service.



Specifications:

Cells per Unit	6
Normal Voltage	12V
Capacity	18Ah@20Hr-rate to 1.75V per cell@25°C
Weight	Approx.(5.4±3%) kg (11.90 lbs)
Maximum Discharge Current 250A	400sec @to7.2V @25°C
Internal Resistance	Approx. 7.8 mΩ full charged @25°C
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Nominal Operating Temperature Range	25°C±3°C
Float Charging Voltage	13.7~13.9VDC/unit Average @25°C
Maximum Charging Current	5.4A
Equalization and Cycle Service	14.4V~15.0VDC/unit Average @ 25°C
Self Discharge	LONGWAY Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25°C(77°F). Self-discharge ratio less than 3% per month at 25°C(77°F). Please charge batteries before using.
Terminal	Terminal F4
Container Material	ABS(UL94-HB) *Flammability resistance of (UL94-V0) can be available upon request



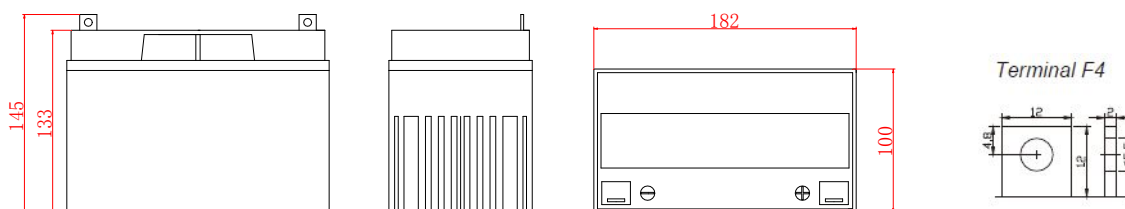
ISO 9001:2008 Standard



ISO 14001:2004 Standard



Dimensions: L182*W100*H133 (TH1145)mm



Constant Power Discharge Characteristics (Watt, 25 °C)

F.V/TIME	5min	8min	10min	15min	20min	30min	60min	90min
9.60	893	665	529	444	347	269	149	106.9
9.90	878	653	516	445	340	262	147	105.9
10.2	865	642	497	425	325	256	143	103.2
10.5	837	623	484	418	321	250	139	102.6
10.8	789	586	447	391	307	239	134	98.4

Starting Specification

temperature	-5°C	0°C	5°C	15°C	25°C	35°C	45°C
Cranking Amp	280	300	320	340	360	380	400
Time /FV 7.2V	≥30S	≥30S	≥30S	≥30S	≥30S	≥30S	≥30S

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