

MKS-GP4880 (48V80Ah)

General

Nominal Voltage	48V
Recommended work SOC range	10-100%
Cell Count	45
Nominal Capacity	80Ah
Energy	3840Wh
Self Discharge	≤1% per month
IP Rating	IP65

Charging

Recom. Charging Current	30A
Max Charging Current	40A
BMS High Voltage Cutoff	54.75V
Charging Temp. Range	0-45°C

Discharging

Max Continuous Discharge	120A
Max Discharge 10 Sec	380A
Recom. Voltage Cutoff	37.5V
BMS Voltage Cutoff	37.5V
Discharge Temp Range	-20-60°C

Physical

Cell Chemistry	Lithium Iron Phosphate
Cell Type	Prismatic
Cell Configuration	15S3P
Series Connectable	No
Parallel Connectable	No
Weight	40±1Kg
Dimension LxWxH	445 x 310 x 215mm
Shell Type	Powder Coated Steel
UN Shipping Class	UN 3480
Cycle Life	4000times(80%DO D)

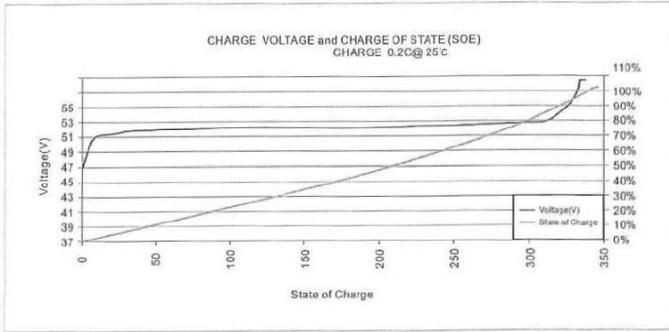
Safety

Charging Freeze Protection	Yes, Under 122° C
Pack Over-Voltage	Yes
Cell Balancing	Yes
Pack Under-Voltage	Yes
Cell Under-Voltage	Yes
Cell Over-Temp	Yes
BMS Over-Temp	Yes
Short Circuit/Over Current	Yes
Certifications	UN38.3

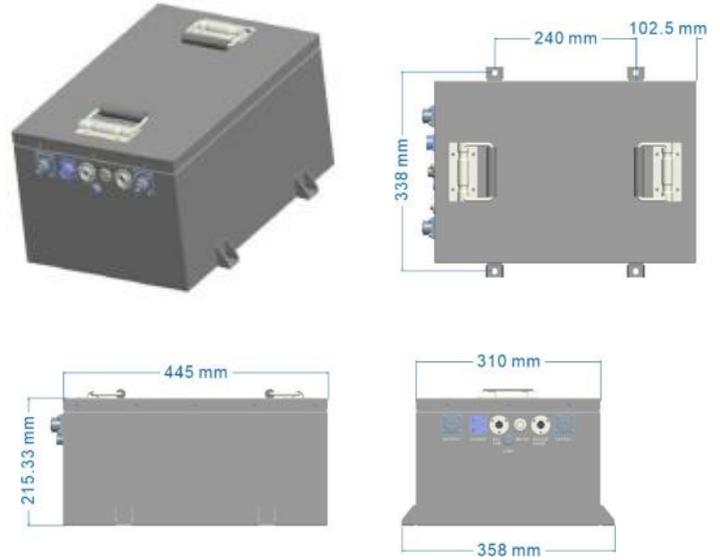
Communication

Bluetooth	Yes
CAN	Yes

0.2C Charge Performance at 25°C



PACK Style



Cautions

1. Do NOT short circuit, crush or disassemble.
2. Do NOT heat or incinerate.
3. Do NOT immerse in any liquid.
4. Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.
5. Disconnect charging source prior to connecting or disconnecting battery terminals.
6. Do not dispose of batteries in a fire as they can explode.
7. Do not open, alter, or mutilate batteries. Released electrolyte is harmful to skin and eyes. It may be toxic.
8. Do not mix different types and brands of lithium-ion batteries.
9. Do not dispose in trash, follow local regulations and manufacturer’s instruction.
10. See installation instructions before connecting to the supply.
11. The battery cabinet receives power from more than one source. Disconnection of all DC sources is required to De-energize this unit before installing or servicing. Wait 5 minutes before opening the unit.
12. Do not install on or over combustible surfaces.
13. Refer to manual before servicing.
14. Do not touch bare terminals.



AUTHORIZED DISTRIBUTOR

Irrigation Products International Pvt Ltd.

No: 4/112, IIInd Floor, East Coast Road, Neelankarai, Chennai - 600 115, INDIA

Phone: +91-44 - 24494387 / 389 | Mobile: +91 93451 68408

Email: battery@ipi-india.com | Website: www.battery.ipi-india.com