



Sample Specification Text

Torino 100W monocrystalline solar panel with 22% efficiency. Aluminium frame with flat toughened glass glazing. IP66 and IK09 protection. With 12.8V/45AH 307.2Wh integral lithium iron phosphate (LiFePO4) battery and solar charge controller. For -20 °C to +40 °C ambient operating temperatures. Class III.

Electrical

Solar Panel Power	100W
Solar Panel Type	Monocrystalline
Solar Panel Efficiency Rating	22%
Battery Type	Lithium iron phosphate (LiFePO4)
Battery Voltage	12.8V / 307.2Wh 12.8V / 460.8Wh 12.8V / 921.6Wh
Charge Time	6-8 hours (with optimal sunny conditions)
Discharge Time	10-30 hours (using PIR)
Electrical Class	Class III
Operating Temperature Limit	-20 °C to +40 °C

Mechanical

Glazing	Flat toughened glass
Housing	Aluminium
Colours	Black
IP Rating	IP66
IK Rating	IK09



Configuration	Solar Panel	Charge Controller	Controller Sensor	Battery
100	100W	Solar Charge Controller 80 / 120 / 160	Solar Charge Controller Infrared Sensor	LiFePO4 Battery 12.8V 307.2 / 460.8 / 921.6Wh