# **Hpower Series** TSM-60

Trunsun High Efficiency Monocrystalline Solar Black Module with Perc Technology

300-315W



# **Higher Module Efficiency**

10% more power than standard modules, due to advanced the PERC technology



# **More Energy Yield**

Better temperature coefficient, helps boost energy yield



### **Approved Technology**

Approved practice for different operating conditions



## **Lower Operation Temperature**

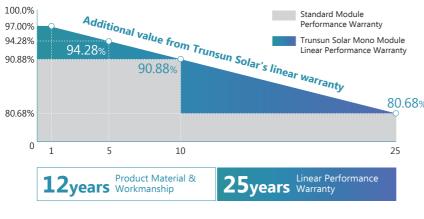
Less hot spot heating risk, make the module more reliable



### **Aesthetic Design**

Uniformity appreance, aesthetic design with black frame option

### LINEAR PERFORMANCE WARRANTY







# Hpower Series TSM-60 Trunsun High Efficiency Monocrystalline Solar Black Module with Perc Technology

Solar Black Module with Perc Technology

ELECTRICAL DATA @ STC*		TSM300-60	TSM305-60	TSM310-60	TSM315-60
Peak Power (Pmax)		300	305	310	315
Maximum Power Voltage (Vmp)		32.95	33.23	33.52	33.8
Maximum Power Current (Imp)		9.11	9.18	9.25	9.32
Open-circuit Voltage (Voc)		39.88	40.16	40.44	40.72
Short-circuit Current (Isc)		9.6	9.68	9.76	9.84
Module Efficiency	(%)	18.46	18.77	19.07	19.38
Operating Temperature			-40°C	~+85°C	
Maximum System Voltage			100	00V	
Maximum Series Fuse Rating			15	5A	
Application Class		Class A			
Power Telorance			0~-	+3%	

<sup>\*</sup>STC (Standard Test Condition): Irradiance 1000W/ m², Module Temperature 25°C, AM 1.5

### **ELECTRICAL DATA @ NMOT\***

Peak Power (Pmax)	(W)	222	226	230	234
MPP Voltage (Vmp)	(V)	30.34	30.60	30.87	31.12
MPP Current (Imp)	(A)	7.33	7.39	7.45	7.50
Open Circuit Voltage (Voc)	(V)	37.62	37.88	38.15	38.41
Short Circuit Current (Isc)	(A)	7.75	7.82	7.88	7.95

<sup>\*</sup>Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

### **TEMPERATURE CHARACTERISTICS**

Temperature coefficient of Pmax	-0.40%
Temperature coefficient of Voc	-0.31%
Temperature coefficient of Isc	0.05%
NMOT	42±3°C

### **MECHNICAL DATA**

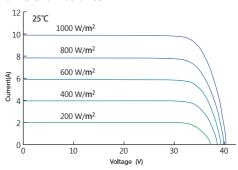
Cell Type	Mono-Crystalline, 6' inch
Cell Arrangement	60pcs (6×10)
Dimension (L×W×H)	1640×991×35mm
Weight	18.2kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67, 3 Bypass Diodes
Cable Type	4mm²
Length of Cable	1000mm
Connector	PV Connector

### **PACKING MANNER**

Packing Type	40HQ
Piece/Pallet	30
Pallet/Container	28
Piece/Container	840

<sup>\*</sup>The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Zhejiang Trunsun Solar Co., Ltd. Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the produccts described herein.

### **Current-Voltage Curve under** different irradiance



### **Current-Voltage Curve under** different working temperatures

