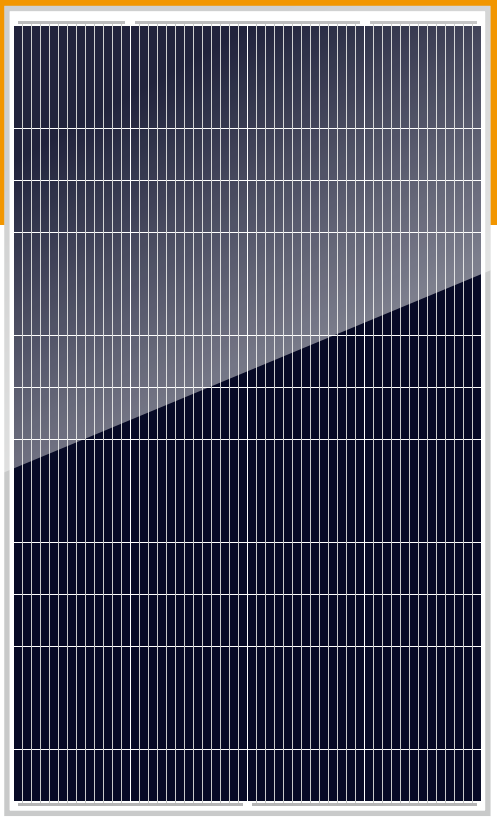
SUNKET - Solar

280~300 Watt

SKT 280~300G12

280~300瓦单晶光伏组件

210mm 60Cells PV Module



Electrical Characteristics 电气特性

组件型号	Module Type	SKT 280~300G12		
		STC		
额定功率	Maximum Power- Pmax(W)	280	290	300
开路电压	Open Circuit Voltage - Voc(V)	39.84	40.02	40.62
短路电流	Short- Circuit Current - Isc(A)	8.79	8.95	9.10
工作电压	Voltage at Pmax -Vmp(V)	34.08	34.26	34.68
工作电流	Current at Pmax - Imp(A)	8.22	8.46	8.65
组件效率	Module Efficiency -ηm(%)	19.34	20.03	20.72
功率公差	Power Tolerance(W)	0, +4.99W		
最高系统电压	Maximum System Voltage(V)	1000Vdc (IEC / UL)		
最大额定熔断电流	Maximum Series Fuse Rating (A)	15A		

标准测试条件STC：光照强度Irradiance 1000W/m²，组件温度Cell Temperature 25℃，大气质量AM 1.5

Mechanical Specifications 结构特性

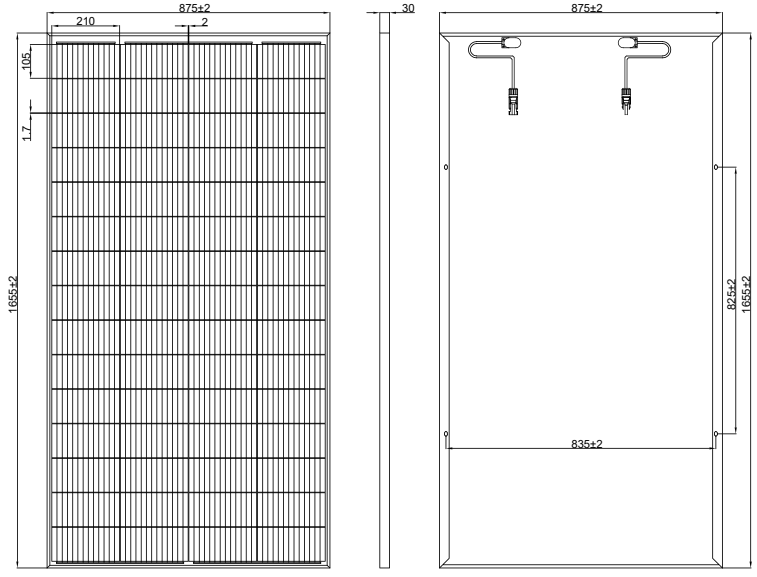
组件尺寸	External Dimensions	1655*875*30mm
重量	Weight	13.0kg
电池	Solar Cells	Mono crystalline 210X105mm (4X15pcs)
玻璃	Front Glass	3.2 mm tempered glass
边框	Frame	Aluminum
接线盒	Junction Box	IP67
输出导线	Output Cables	90cm, length can be customized
连接器	Connector	MC4 Compatible
机械载荷	Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

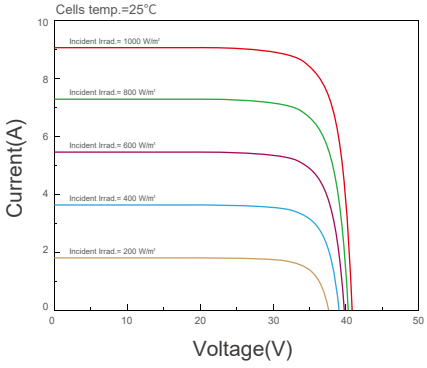
Temperature Characteristics 温度特性

最高功率温度系数	Pmax Temperature Coefficient	-0.290%/°C
开路电压温度系数	Voc Temperature Coefficient	-0.250%/°C
短路电流温度系数	Isc Temperature Coefficient	+0.045%/°C
光伏组件工作温度	Operating Temperature	-40~+85°C
额定工作电池片温度	Nominal Operating Cell Temperature(NOCT)	45±2°C

Packing Configuration 包装方式

组件型号	Module Type	SKT280~300G12
组件尺寸	Module Dimensions	1655*875*30mm
托盘尺寸	Pallet Dimensions	1685*1120*110mm
每托重量	Pallet Weight	498.0kg
每托数量	Pieces/Pallet	36pcs





SKT-2025V1.0 ©Copyright 2025 Sunket