

JA smart

SYSTEM ARCHITECTURE

SMART CURVE TECHNOLOGY

- Hardware voltage clamp prevents over-voltage
- Design up to 30% longer strings
- Fewer combiner boxes, fuses and wiring
- Smaller resistance losses

MECHANICAL DIAGRAMS		SPECIFICATIONS	
		Cell	Poly
		Weight	18.2kg±3%
		Dimensions	1650mm×991mm×35mm
		Cable Cross Section Size	4mm²
		No. of cells	60(6x10)
		Junction Box	Tigo smart J-Box IP67
		Connector	

Remark: customized frame color and cable length available upon request

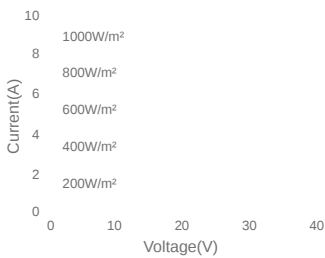
ELECTRICAL PARAMETERS AT STC					
TYPE	JAP60S04 -270/SC	JAP60S04 -275/SC	JAP60S04 -280/SC	JAP60S04 -285/SC	JAP60S04 -290/SC
Rated Maximum Power(Pmax) [W]	270	275	280	285	290
Open Circuit Voltage(Voc) [V]	36.06	36.29	36.58	36.70	36.99
Maximum Power Voltage(Vmp) [V]	31.13	31.34	31.61	31.70	31.98
Short Circuit Current(Isc) [A]	9.18	9.29	9.37	9.60	9.66
Maximum Power Current(Imp) [A]	8.67	8.77	8.86	9.01	9.07
Module Efficiency [%]	16.5	16.8	17.1	17.4	17.7
Power Tolerance	0~+5W				
Temperature Coef	+0.058%/℃				
Temperature Coefficient of V	Voc)	0/			
Temperature Coef	-0.400%/℃				
STC	Irradiance 1000W/m², cell temperature 25℃, AM1.5G				

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT						OPERATING CONDITIONS	
TYPE	JAP60S04 -270/SC	JAP60S04 -275/SC	JAP60S04 -280/SC	JAP60S04 -285/SC	JAP60S04 -290/SC	Maximum System Voltage	1000V DC(IEC)
Rated Max Power(Pmax) [W]	200	204	208	211	215	Operating Temperature	-40℃~+85℃
Open Circuit Voltage(Voc) [V]	33.85	34.06	34.29	34.44	34.76	Maximum Series Fuse	20A
Max Power Voltage(Vmp) [V]	29.29	29.48	29.69	29.83	30.14	Maximum Static Load,Front	3600Pa, 1.5
Short Circuit Current(Isc) [A]	7.27	7.33	7.40	7.49	7.55	Maximum Static Load,Back	1600Pa, 1.5
Max Power Current(Imp) [A]	6.82	6.90	6.98	7.07	7.12	NOCT	45±2
NOCT	Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s, AM1.5G					Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve JAP60S04-270/SC



Current-Voltage Curve JAP60S04-270/SC

