

Kanaaldijk Noord 111 | 5642 JA | Eindhoven | NederlandM
P +31 (0) 40 240 5888 | E info@poweroak.nl | W www.poweroak.nl

KvK: 65077687
BTW: NL.8559.71.289.B.01



Model No.	PowerOak S40	PowerOak S60	PowerOak S80	PowerOak S100	PowerOak S120	PowerOak S200
Product Name	18V folding solar kits					
Maximum Power[Wp]	40	60	80	100	120	200
Solar Cell	SunPower Maxeon Gen III Back Contact Cell					
Cell Efficiency	22.60%	22.60%	22.60%	22.60%	22.60%	22.60%
Folded Size[mm]	420*290*10	420*290*30	420*290*35	420*290*40	420*290*45	420*290*70
Open Size[mm]	580*420*4	1115*420*4	1370*420*4	1715*420*4	2315*420*4	1715*780*4
Max Power Voltage Vmp[V]	18.60	18.60	18.60	18.60	18.60	18.60
Max Power Current Imp[A]	2.15	3.23	4.30	5.38	6.45	10.75
Open Circuit Voltage Voc[V]	21.95	21.95	21.95	21.95	21.95	21.95
Short Circuit Current Isc[A]	2.32	3.48	4.65	5.81	6.97	11.61
Net.Weight[kg]	1.9	1.9	2.2	3.4	3.5	3.5
NOCT[°C]	45±2	45±2	45±2	45±2	45±2	45±2
Operating Temperature[°C]	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85
Temperature Coefficient Pmax[%/°C]	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Temperature Coefficient Voc[[mV/°C]	-2mV	-2mV	-2mV	-2mV	-2mV	-2mV
Temperature Coefficient Isc[mA/°C]	3.7	3.7	3.7	0.037	0.037	0.037
Maximum System Voltage[V]	100 V	100 V	100 V	100 V	100 V	100 V
Certification	CE ROHS	CE ROHS	CE ROHS	CE ROHS	CE ROHS	CE ROHS
Suface/backsheet	PET+PET					
Cables	1m 14AWG cable	1m 14AWG cable	1m 14AWG cable	1m 14AWG cable	1m 14AWG cable	1m 14AWG cable
Connector	MC4					
Supporting Leg	Yes	Yes	Yes	Yes	Yes	Yes
Eyelets	Yes	Yes	Yes	Yes	Yes	Yes
Standard Test Conditions	STC: 1000W/m², AM 1.5 and cell temp 25°C					
Package	1pcs/bubble plastic bag,then in 1 carton box					