






Product Selection Guide

Blue Sky Energy Charge Controllers

Features	SC30	SB1524iX	SB2512i-HV SB2512iX-HV	SB3000i	SB3024iL SB3024DiL
Technology:	PWM	MPPT	MPPT	MPPT	MPPT
Battery Nominal Voltage:	12V	12V/24V	12V	12V	12V/24V
Maximum PV Power:	450W with 36-cell PV panel*	270W 36-cell PV panel* @12V 200W 60/72-cell panel* @12V 400W 72-cell panel* @24V	340W with 36-cell PV panel* 270W with 60-cell PV panel*	400W with 36-cell PV panel* 290W with 60-cell PV panel*	540W 36-cell PV panel* @12V 400W 60/72-cell panel* @12V 800W 72-cell panel* @24V
Battery (Output) Current:	30A with 36-cell PV panel*	20A with 36-cell PV panel* 15A with 60/72-cell PV panel*	25A with 36-cell PV panel* 20A with 60-cell PV panel*	30A with 36-cell PV panel* 22A with 60-cell PV panel*	40A with 36-cell PV panel* 30A with 60/72-cell PV panel*
Recommended Max Panel Voc at STC:	24V	45.6V	40V	40V	45.6V
Battery Type:	AGM/GEL/Flooded/Sealed/ Lithium	AGM/Flooded/VLRA /Lithium (by IPN ProRemote or UCM)	AGM/Flooded/VLRA /Lithium (by IPN ProRemote or UCM)	AGM/GEL/Flooded/Sealed/ Lithium	AGM/Flooded/VLRA /Lithium (by IPN ProRemote or UCM)
Charge Algorithm:	2-stage / 3-stage + Equalization (if enabled)	2-stage / 3-stage + Equalization (if enabled)	2-stage / 3-stage + Equalization (if enabled) (Equal. only for SB2512iX-HV)	2-stage / 3-stage + Equalization (if enabled)	2-stage / 3-stage + Equalization (if enabled)
Max Output Load Current:	⊗	20A @12V 15A @24V	⊗ 25A	20A	⊗ ⊕
Display:	⊕	⊗	⊗	⊕	⊗ ⊕
Remote Display:	⊗	⊕	⊕	⊕	⊕
Auxiliary 2nd Battert 2A:	⊗	⊕	⊗ ⊕	⊕	⊕
IPN Network:	⊗	⊕	⊗ ⊕	⊕	⊕
Applications:					
Certifications:	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	ETL, CE, FCC, RoHS
Warranty:	5 years	5 years	5 years	5 years	5 years

(1) Bulletin 100214 - How to pick solar panels for my Solar Boost Controller.

(*) 36-cell panels are typically are referenced as "12V panels" providing Vmp/Voc of -18V/22V at STC, 60-cell panels are referenced as "20V panels" (Vmp/Voc -30V/37V), 72-cell panels are referenced as "24V panels" (Vmp/Voc -36V/44V).