






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
Recommended Max Panel 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:	Lead-Acid Lithium	Lead-Acid / Lithium (by IPN ProRemote or UCM)	Lead-Acid / Lithium (by IPN ProRemote or UCM)	Lead-Acid Lithium	Lead-Acid / 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	20A
Display:	✔	⊗	⊗	✔	⊗ ✔
Remote Display:	⊗	✔	✔	✔	✔
Auxiliary 2nd Battert 2A:	⊗	✔	⊗ ✔	✔	✔
IPN Network:	⊗	✔	⊗ ✔	✔	✔
Applications:					
Certifications:	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	cETLus, 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).