SBO™

SINGLE BATTERY OPERATION

Designed by Aker Wade®, the SBO™ system includes chargers, battery monitoring devices and management software — everything a lift truck fleet needs to eliminate battery changes, increase productivity and go green.

POWER | **MONITOR** | **CONNECT** | **CONTROL**

UniMAX® 20/30

Proven to Perform

The UniMAX® 20/30 is the ideal fast charger for fork lifts, reach trucks and pallet jacks, charging a battery at up to 640 amps. Operators simply plug in and take their scheduled break. The UniMAX does the rest:

- Reads the battery's status including size, voltage, temperature and state-of-charge.
- Automatically optimizes an output profile.
- Delivers the perfect charge.

The UniMAX puts you in control of your fleet with the ability to program automatic equalizations and wirelessly upload charger event data.

And with up to 30kW of power, the UniMAX eliminates the need to change batteries, even for the toughest 24/7 operations.

AKER WADE® POWER TECHNOLOGIES

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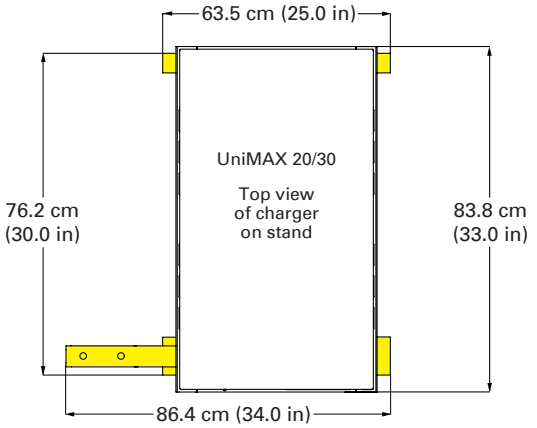
UniMAX® 20/30

		North America (NA)		International (INT)			
Model		**Uni 20**	**Uni 30**	**Uni 20SCI[1]**	**Uni 20I**	**Uni 30SCI[1]**	**Uni 30I**
Output Power per Charge Station		20kW	30kW	18kW	20kW	30kW	30kW
Output Amperage (A) **per Battery Voltage** (V)	**@ 24V**	500A	640A	320A	500A	320A	640A
	@ 36V	430A	640A	320A	400A	320A	640A
	@ 48V	330A	520A	300A	300A	320A	520A
	@ 72V	230A	350A	200A	200A	320A	350A
	@ 80V	200A	300A	180A	180A	300A	300A
Input Amperage (A) **Requirements per Unit** (+/- 10%)	**380VAC, 50/60Hz, 3ø**	——	——	31A	31A	52A	52A
	400VAC, 50/60Hz, 3ø	——	——	30A	30A	49A	49A
	415VAC, 50/60Hz, 3ø	——	——	28A	32A	63A	63A
	480VAC, 60Hz, 3ø	29A	43A	——	——	——	——
	600VAC, 60Hz, 3ø	23A	34A	——	——	——	——
Recommended Min AC Breaker (NA)[2]		30-40A[3]	45-60A	——	——	——	——
Recommended Min AC Breaker (INT)[2]		——	——	32A	32A	63A	63A
Recommended Battery Size (Ahrs)		360-800	600-1600	360-800	360-1250	500-1000	600-1600
Certifications		UL; cUL; CEC		CE; C-Tick; RoHS			
Power Factor		~0.95 @ max load					
Efficiency		0.92					
Compatible Battery Type		Lead-Acid, Flooded Cell, 24-80V					
Control		Manual to fully automatic control of charge, finish and equalization					
Connectors		EBC320 (DIN 43589-1) or SBX350					
Operating Temperature		0° C to 40° C (32° F to 104° F)					
Enclosure Rating		NEMA 1					
Data Capability		Charge event data uploaded via Bluetooth® or DC Gateway™					
Mass (without stand)		20kW: 209kg (461 lbs) • 30kW: 259kg (571 lbs)					
Dimensions W x L x H (cm)		Charger only: 57.2 x 83.8 x 69.6 • w/stand: 86.4 x 83.8 x 157.5 • w/dual stand: 113 x 83.8 x 194.3					
Dimensions W x L x H (in)		Charger only: 22.5 x 33 x 27.4 • w/stand: 34 x 33 x 62 • w/dual stand: 44.5 x 33 x 76.5					



1 SC = Single Cable

2 Recommended breaker: motor and thermal magnetic type suitable for transformer load. Recommended fuse: time delay type suitable for transformer load.

3 For existing infrastructure: Provided the circuit breaker or fuse use is an extended delay type, the smaller value breaker may be used (NEC permissible due to the short period of maximum load). For new installations: Install the larger value breaker for NEC recommended 125% nominal.

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