

## Battery Trailers

### DESCRIPTION

The Silicon Battery Trailers are designed for reliability and the customer needs in mind. Road going trailers are used so that the system is portable and readily available for use.

The SILICON BMS Elite is included in each trailer for better control, redundancy and to ensure that the battery is charged at the correct charging rate. The trailer can be parked, when not in use, and the charger can charge the batteries for when required.



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Supersedes: 25-11-2013

### General specifications of SILICON Engineering Battery Trailers

<b>Model</b>		<b>D630</b>	<b>D631</b>	<b>D667</b>	<b>D632</b>
ac Input	Rated Voltage	230vac ±10%	230vac ±10%	230vac ±10%	525vac ±10%
	Input frequency	50Hz ±5%	50Hz ±5%	50Hz ±5%	50Hz ±5%
DC Output	Battery type	NiCad, Fiber Plate	Lead Acid, GEL	Lead Acid, GEL	Lead Acid, GEL
	Number of cells	85	54	54	54
	Battery Capacity	30AH	100 AH	150 AH	150 AH
Battery	Battery Voltage	110V	110V	110V	110V
	Battery Charging Time	3.3hrs	4.4hrs	6.6hrs	6.6hrs
	Float Voltage	119V	121.5V	121.5V	121.5V
Battery Charging	Maximum Voltage Ripple	<5%	<5%	<5%	<5%
	Charger Current Limit	10A	20A	25A	50A
	Specifications	SABS 1652	SABS 1652	SABS 1652	SABS 1652
Features	Illuminated Compartment	No	Yes	Yes	Yes
	AC trailing leads included	Yes	Yes	Yes	Yes
	DC trailing leads included	Yes	Yes	Yes	Yes
	Easy to connect.	Yes	Yes	Yes	Yes
	SILICON BMS™ included.	Yes	Yes	Yes	Yes
	Management System	Full alarms, Earth Fault Alarm, Event Recorder with a time stamp			
ac Distribution Board		No	Yes	Yes	Yes
Storage Temperature		30°C	30°C	30°C	30°C
Operating Temperature		20°C	20°C	20°C	20°C
Maximum Recommended Transport Speed		30Km/h	30Km/h	30Km/h	30Km/h
Outline Dimensions	Length (mm)	2590	3860	3860	4540
	Width (mm)	1550	2050	2050	1525
	Height (mm)	1085	2200	2200	2060
	Ground Clearance	250	260	260	280
Trailer Total Mass (Approx.)		420Kg	1190Kg	1415Kg	1625Kg
					