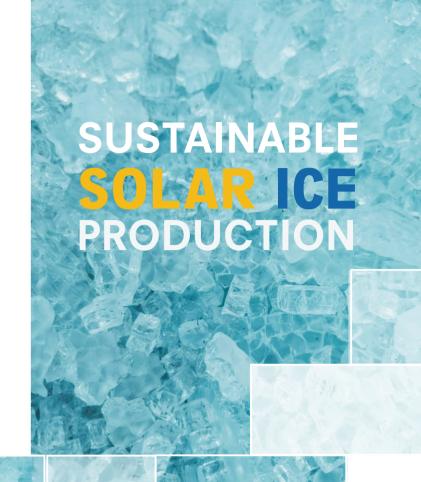
Solar Ice Systems

Boreal Light GmbH introduces its latest innovation – the **Hybrid Solar-Powered Ice Machine**, designed to provide sustainable and cost-effective ice production in various settings. This cutting-edge solution operates primarily on solar energy but also features a hybrid system that allows operation during nighttime and cloudy conditions, ensuring uninterrupted ice production.

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Specifications

Туре	Output (kg/24h)	Consumption (Watt)	Voltage (V/Hz)	Weight (kg)
SIS 120	120	620	230/50	58
SIS 200	200	940	230/50	95
SIS 400	400	1800	400/50	110
SIS 800	800	2800	400/50	220
SIS 1500	1500	4800	400/50	360
SIS 2200	2200	6800	400/50	460
SIS 3000	3000	8500	400/50	490
SIS 4500	4500	12000	400/50	750
SIS 6000	6000	16000	400/50	980



Applications

Fishing Industry: Keeps catch fresh without dependence on diesel generators.



Hospitality & Tourism: Provides a sustainable ice supply for lodges, resorts, and eco-tourism operations.



Agriculture & Food Preservation: Extends the shelf life of perishable goods in remote farming areas, warehouses and stores.



Key Features for the SIS 6000

(Producing 6000 kgs of ice per day)

(readoing costings of loops day)			
Power Supply	Hybrid (Solar/AC)		
Ambient Temperature	Default design temperature: 30°C, Higher temperatures possible		
Installation Type	Aluminium skid on wheels		
Water intake	Freshwater, Seawater		
Compressor type	Semi-hermetic reciprocating compressor with air cooled condenser		
Refrigerant	R134a, R404A, R449A		
Cooling Power	30 kW		
Power consumption	16 kW		
Control Panel	Weidmüller SPS 24 V control system, with optional 7" PLC		
Battery	50 Ah Li-ion (24 V)		
Optional:	 Containerized System: Customized 20 ft container, plug-and-play Remote monitoring: System status, problem report, remote start/stop, timer, etc. Pre-water cooling: Water chiller for pre-water cooling to 2°C UV-water disinfection: Water disinfection applying a dose >400 J/m² 		