Controller Comparison
SunSaver versus SHS

8/24/04

	SunSaver	SHS
Product Positioning	Industrial, leisure	Rural electrification
Applications	telecom, oil/gas, instrumentation, caravan, boats	solar home systems in developing countries
Design objective	high reliability, better battery charging	low cost
Current Ratings	6, 10 and 20 amps	6 and 10 amps
Voltage Ratings	12 or 24V versions	12V only
Overload protection	25% of ratings	None
Warranty	5 years	2 years
Certifications	CE, hazardous locations, NEC	CE, World Bank
Low voltage disconnec	yes, on "L" versions	yes; blinks loads as LVD warning (not suitable for industrial loads)
Switching	positive leg…complies with NEC	negative leg…does not comply with NEC*
Battery type	2 choices optimized for sealed or flooded	no battery type select
Regulation accuracy	accurate precision shunts	lower accuracy…uses voltage drop across FETs
Tropicalization	epoxy encapsulation	conformal coating on circuit board
Enclosure	annodized aluminum	plastic
Temperature Rating	rated -40C to +60C	rated -25C to +50C
Terminal Size	to 5.2 mm; #10 AWG	to 4 mm; #12 AWG
*** if the system is grounded in more than 1 point, charging or load control may be disabled**		