











SUNLAKE HISTORY

Year	Events	Solar Car	Class	Pos.	Class Pos.	Note
1993	Birth	 Sunlake I		-	-	proto type
1994	SHIN-ASAHI	 Sunlake II	VIII	4th	Class 2nd	poly Si cells DC brushless motor (Unique)
	SUZUKA		TOD	16th	Class 7th	
1995	AIDA	 Sunlake III	II	4th	Class 3rd	weight lightening
	SUZUKA		TOD	18th	Class 7th	
	KOBE		B	14th	Class 6th	
1996	AIDA	 Sunlake IV	II	9th	Class 3rd	wing shape body
	SUZUKA		TOD	13th	Class 4th	
1997	AIDA	Sunlake Va	II	6th	Class 3rd	three type bodies single crystal Si cell
	SUZUKA	Sunlake Vb,Vc	TOD	17th	Class 6th	
	KOBE	Sunlake Vc	C	21th	Class 4th	
1998	AIDA	Sunlake VIa	II	7th	Class 2nd	oval shape body formed polystyrane
	SUZUKA	Sunlake VIb	CHA	10th	Class 4th	
	KOBE	Sunlake Kobe SP	C	14th	Class 1st	
1999	AIDA	 Sunlake VII	II	2nd	Class 1st	Zylon surface reinforcement
	SUZUKA		CHA	2nd	Class 1st	
	KOBE	Sunlake Kobe SP	B	44th	Class 19th	
2000	KOTO	 Sunlake VIII		-	Class 2nd	in wheel motor (NGM)
	SUZUKA		CHA	3rd	Class 1st	
	KOBE		Sunlake Kobe SP	C	13th	
2001	WSCC Malaysia	 Sunlake IX		8th	-	steering system improvement
	SUZUKA		CHA	3rd	Class 1st	
	KOTO			1st	-	
2002	KOBE	Sunlake Kobe SP	B	26th	Class 12th	aluminum parts
	SUZUKA	Sunlake X	CHA	6th	Class 1st	
2003	SUZUKA	 Sunlake Dream	DRE	5th	-	Dream Class body
	SUZUKA		DRE	8th	-	
2004	Phaethon2004	Sunlake		11th	-	Greek spec.
	SUZUKA	Sunlake Dream	DRE	8th	-	Mitsuba motor
2005	SUZUKA	 Sunlake NEO	CHA	11th	Class 4th	new Challenge Class body
2006	SUZUKA		CHA	12th	Class 6th	
2007	SUZUKA		CHA	14th	Class 9th	
2008	SUZUKA	 Sunlake EVO	CHA	10th	Class 5th	ultimate aerodynamics
2009	SUZUKA		CHA	8th	Class 5th	
2010	SUZUKA		CHA	10th	Class 5th	
2011	SUZUKA		CHA			

SHIN -ASAHI (新旭) Biwako Solar Car Festival
 SUZUKA (鈴鹿) Solar Car Race SUZUKA
 AIDA (英田) Asahi Solar Car Race in TI Circuit AIDA
 KOBE (神戸) Asahi Solar Car Rally
 KOTO (湖東) KOKOKU Solar Car and EV Car Festival in KOTO

TOD, CHA TOD:Today, CHA:Challenge : Limited Class 800watt PV and Pb Battery
 DRE DRE: Dream : Free Class

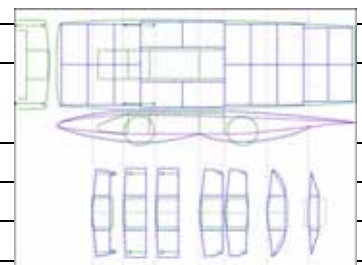


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SUNLAKE EVO STRUCTURE AND SPECIFICATIONS



length	5000 mm
width	1580 mm
height	1000 mm
weight	113 kg
number of wheels	3 wheels
wheels	front : 14 inch Kashiwakai special wheels rear : 14 inch GH Craft CFRP wheel
chassis	carbon composite monocoque
body caul	formed styrene body / surface reinforcement by Zylon (PBO fiber) and Carbon fiber
suspension	double wishbone suspension
brake	front : hydraulic disc brake rear : mechanical disk brake
PV spec.	800Wh
solar cell	single crystal silicone KIS (Showa Shell) FT132S-E x 16, Sharp NT3432BD x 4
motor spec.	1.5kW (max 5.0kW)
motor	DC brushless in wheel Mitsuba M1508Dkai (reverse rotation)
battery	lead sealing type battery Panasonic S46A24LS 8 series x 9.5kg total 76.0kg



Sunlake Reports and The History of the Solar Car

<http://sunlake.org/solar/>

